

Table 3 Summary of applicable storm water treatment criteria (including RGOs)

Document	Date of issuance	Threshold Criteria	Treatment Requirements Applicable at RGOs	Design criteria	Treatment Options
Los Angeles County MS4 Permit SUSMP	12/2001	New Development and Redevelopment: 5,000 sq. ft. Additional criteria for RGOs: applicable for sites with 100 ADT ² +	Runoff Treatment	Treat the first 0.75 inch of runoff and Other criteria to allow flexibility of application	Optional
Stormwater Management Manual in Western Washington ¹	09/2001 ¹	New Development: 5,000 sq.ft. Redevelopment: 2,000 sq.ft. for new, replaced, or new plus replaced impervious surfaces OR 7,000 sq. ft. for total land disturbing activity	Runoff Treatment Enhanced Treatment for high-use sites with more than 100 ADT ² per 1,000 sq.ft. of gross building area OR commercial or industrial site subject to petroleum storage and transfer in excess of 1,500 gallons per year	6-month, 24 hr. storm (~1.3 in. for Puget Sound) The water quality design storm volume and flow rates are intended to capture and effectively treat about 90-95% of the annual runoff volume in western Washington.	Media Filter; Two Facility Treatment Train; Other
City of Portland, Oregon Stormwater Management Manual	08/2000	New development : 500 sq. ft. management level 2 Redevelopment: 500 sq.ft. management level 3	Runoff Treatment Enhanced Treatment for high-use sites with more than 100 ADT ² per 1,000 sq.ft.	2-yr, 24 hr. storm (~0.83 in. of rainfall)	Oil/water separator; Linear Sand Filter; Other devices
Massachusetts Stormwater Management Handbooks	1997	New development: 80% TSS removal of the average annual post-development loads at all new sites Redevelopment of previously developed sites must meet the Stormwater Management Standards to the Maximum Extent Practicable	Runoff Treatment Stormwater discharges from areas with higher potential pollutant loads³ require the use of specific stormwater management BMPs	0.5 in of runoff or 1.0 in of runoff (for discharges to critical environmental areas)	Organic Filter, Sand Filter for small sites, Other
2000 Maryland Stormwater Design Manual ⁴	1985 2000 Revised	New development and redevelopment: 5,000 sq.ft. Removal of 80% of annual post development TSS and 40% of annual post development total phosphorus	Runoff treatment at all sites meeting criteria	1 in. (The water quality design storm volume and flow rates are intended to capture and effectively treat about 90% of the annual runoff volume. 2000 revision increased from 0.5 in.)	Various BMPs including sand filters

¹ Similar requirements with the 1992 edition

² Average Daily Trips

³ Includes Gas Stations

⁴ See Additional Supporting Documents Item 20.

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City of Seattle Stormwater Treatment Technical Requirements Manual	11/2000	<p>Basic Requirement - New or replaced impervious surface: 5,000 sq. ft</p> <p>High-risk, high-use polluting sites⁵ required enhanced treatment</p>	<p>Runoff Treatment</p> <p>Enhanced Treatment for high-use sites with more than 100 ADT² per 1,000 sq.ft. OR commercial or industrial site subject to petroleum storage and transfer in excess of 1,500 gallons per year</p>	6-month, 24 hr. storm	Media Filter; Other
Georgia Stormwater Management Manual	08/2001	<p>(1) New development that includes the creation or addition of 5,000 square feet or greater of new impervious surface area, or that involves land disturbing activity of 5,000 square feet of land or greater.</p> <p>(2) Redevelopment that includes the creation or addition of 5,000 square feet or greater of new impervious surface area, or that involves land disturbing activity of 1 acre or more.</p> <p>(3) Any commercial or industrial new development or redevelopment, regardless of size, with a Standard Industrial Classification (SIC) code that falls under the NPDES Industrial Stormwater Permit program, or a hotspot land use⁶</p>	<p>Runoff Treatment</p> <p>Enhanced Treatment at hotspot land use⁶</p>	<p>Treat the runoff from 85% of the storms that occur in an average year. (For Georgia, this equates to a rainfall depth of 1.2 inches.)</p> <p>Reduce average annual post-development total suspended solids loadings by 80%.</p>	Sand Filters; Other
St. Johns River Water Management District, Florida Regulation of Stormwater Management Systems Handbook 2001 Edition	02/1991, revised 2001	Creation of impervious area: 4,000 sq.ft.	<p>Runoff Treatment at all sites meeting the criteria</p> <p>Additional treatment for oil and grease control</p>	Treat the first one half (0.5) inch of runoff or 1.25 inches of runoff from impervious area, whichever is greater; Additional criteria depending on the treatment system used	Detention/Filtration Systems; Baffle, skimmer, grease trap or other mechanism for oil and grease control

⁵ High-risk includes fueling operations from commercial gas stations, high-use means expected average daily traffic count equal to or greater than 100 vehicles per 1,000 sq. ft. of gross building area, or petroleum storage or transfer in excess of 1,500 gallons per year

⁶ Include gas stations, vehicle service and maintenance areas, salvage yards, material storage sites, garbage transfer facilities, and commercial parking lots with high-intensity use.

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City of Austin, Texas Environmental Criteria Manual	1986, 1991, 1992, 2001	Projects when cumulative total of both new and redeveloped impervious cover: 5,000 square feet or greater	Runoff Treatment at all sites meeting the criteria	Treat the first 0.5 inch of runoff plus an additional one-tenth (0.1) inch for each ten (10) percent increase of gross impervious cover over twenty (20) percent within the drainage area to control	Sedimentation/Filtration Systems; Other
Dane County, Wisconsin <i>Dane County Erosion Control And Stormwater Management Manual</i>	05/2002	Land Disturbance, redevelopment or alteration: 4,000 sq.ft.	Runoff Treatment Oil and Grease Control at commercial and industrial sites where the potential for pollution exists	Treat the first 0.5 inch of runoff	Oil and Grease Filter